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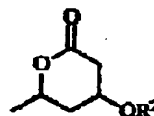
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**(54) 6-HEPTYNOIC ACID AND HEPTENOIC ACID**  
**COMPOUND**

**(57) Abstract**

**PURPOSE:** To obtain a compound which is a hydroxymethylglutaryl-CoA (HMG-CoA) reductase inhibitor, having a specific structure and useful producing a therapeutic agent such as a therapeutic agent for hypercholesterolemia.

**CONSTITUTION:** The compound is expressed by formula I [Z is expressed by formula II or III [A is CO or CHOR<sup>1</sup> (R<sup>1</sup> is H or a protecting group of OH); B is CO or CHOR<sup>2</sup> (R<sup>2</sup> is the same as R<sup>1</sup>; R<sup>1</sup>, together with R<sup>2</sup>, may form a ring); R<sup>3</sup> is H, a 1-8C alkyl, aralkyl, aryl, etc.]; R<sup>6</sup> is H or a protecting group of triple bond]. Furthermore, the 6-heptanoic acid compound expressed by formula IV (L is a 1-9C alkyl, alkylene, aralkyl, etc.) is preferably prepared by hydrometalating the compound expressed by formula I.

**I****II****III****IV**

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